

## PMTurkeyCOLPEM Resource

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**From:** Orthen, Richard [Richard.Orthen@fpl.com]  
**Sent:** Tuesday, August 30, 2011 10:50 AM  
**To:** Matthews, David; Maher, William; Comar, Manny; Stewart, Scott; McCree, Victor; Kugler, Andrew  
**Subject:** L-2011-333 Dated August 30, 2011: Response to NRC Environmental Request for Additional Information Letter 110614 (RAI 5763 Revision 2) Environmental Standard Review Plan Section 2.3 - Water  
**Attachments:** L-2011-333 Dated 30AUG11 RAI Ltr 110614 RAI 5763 Revision 2 Response.pdf

Re: Florida Power & Light Company  
Proposed Turkey Point Units 6 and 7  
Docket Nos. 52-040 and 52-041  
Response to NRC Environmental Request for Additional Information  
Letter 110614 (RAI 5763 Revision 2) Environmental Standard Review Plan Section 2.3 - Water

### Reference:

1. NRC Letter to FPL dated June 14, 2011, Environmental Request for Additional Information Letter 110614 Related to ESRP Section 2.3, Water, for the Combined License Application Review for Turkey Point Units 6 and 7
2. FPL Letter to NRC L-2011-284 dated July 29, 2011, Response to NRC Environmental Request for Additional Information Letter 110614 (RAI 5763 Revision 2) Environmental Standard Review Plan Section 2.3 – Water

Florida Power & Light Company (FPL) provides, as an attachment to this letter, its response to the Nuclear Regulatory Commission's (NRC) Request for Additional Information (RAI) 2.3-5 provided in Reference 1. FPL informed the NRC of the schedule for submitting this response in Reference 2. The attachment identifies changes that will be made in a future revision of the Turkey Point Units 6 and 7 Combined License Application (if applicable).

*Richard F. Orthen  
Principal Licensing Engineer  
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**Subject:** L-2011-333 Dated August 30, 2011: Response to NRC Environmental Request  
for Additional Information Letter 110614 (RAI 5763 Revision 2) Environmental Standard Review Plan  
Section 2.3 - Water

**Sent Date:** 8/30/2011 10:50:26 AM

**Received Date:** 8/30/2011 10:50:30 AM

**From:** Orthen, Richard

**Created By:** Richard.Orthen@fpl.com

**Recipients:**

"Matthews, David" <David.Matthews@nrc.gov>

Tracking Status: None

"Maher, William" <William.Maher@fpl.com>

Tracking Status: None

"Comar, Manny" <Manny.Comar@nrc.gov>

Tracking Status: None

"Stewart, Scott" <Scott.Stewart@nrc.gov>

Tracking Status: None

"McCree, Victor" <Victor.McCree@nrc.gov>

Tracking Status: None

"Kugler, Andrew" <Andrew.Kugler@nrc.gov>

Tracking Status: None

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L-2011-333  
10 CFR 52.3

August 30, 2011

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D.C. 20555-0001

Re: Florida Power & Light Company  
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If you have any questions, or need additional information, please contact me at 561-691-7490.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on August 30, 2011.

Sincerely,

A handwritten signature in blue ink, appearing to read 'W. Maher', is written over a horizontal line.

William Maher  
Senior Licensing Director – New Nuclear Projects

WDM/RFO  
Florida Power & Light Company

700 Universe Boulevard, Juno Beach, FL 33408

Proposed Turkey Point Units 6 and 7  
Docket Nos. 52-040 and 52-041  
L-2011-333 Page 2

Attachment: FPL Response to NRC RAI No. 2.3-5 (RAI 5763 Revision 2)

cc:

PTN 6 & 7 Project Manager, AP1000 Projects Branch 1, USNRC DNRL/NRO  
Regional Administrator, Region II, USNRC  
Senior Resident Inspector, USNRC, Turkey Point Plant 3 & 4

**NRC RAI Letter 110614 Dated June 14, 2011**

**SRP Section: EIS 2.3 – Water**

Question from Environmental Technical Support Branch (RENV)

**NRC RAI Number: 2.3-5 (RAI 5763 Revision 2)**

Canal flows from Caccia and Boyer 2005 for the wet and dry seasons have been cited in ER Table 2.3-13. Provide flows for the L31E and Model Land Canal, as well as other canals near the site shown in Figure 2.3-10. The flow data should include flows to illustrate the seasonal variability such as wet and dry seasons.

**FPL RESPONSE:**

Canals near the Turkey Point Units 6 & 7 site other than the ones cited in ER Table 2.3-13 are: L-31E Canal, Model Land Canal and Canal C-111 (Canal 111 in ER Figure 2.3-10). There are no flow measurements available on the Model Land Canal. For Canal C-111 and for L-31E Canal, flow data are obtained from South Florida Water Management District's DBHYDRO database (SFWMD, 2009) and are given in ER Table 2.3-3 (Data period 1970 to 2008) and in ER Table 2.3-5 (Data period 1968 to 2008), respectively.

Table 1 summarizes the annual mean, wet season and dry season flows for L-31E Canal and Canal C-111. Wet season is from June to October and dry season is from November to May (Caccia and Boyer 2005).

Table 1. Annual Mean, Wet Season and Dry Season Flows for L-31E Canal and Canal C-111

	Canal Input (Cubic Feet per Second)		
	Annual Mean	Wet Season	Dry Season
Canal C-111	32.0	65.9	7.7
L-31E Canal	18.4	38.0	4.3

This response is PLANT SPECIFIC.

**References:**

1. SFWMD 2009. DBHYDRO Browser. Available at [http://my.sfwmd.gov/dbhydroplsqli/show\\_dbkey\\_info.main\\_menu](http://my.sfwmd.gov/dbhydroplsqli/show_dbkey_info.main_menu), accessed September 8, 2008, October 25, 2008, and April 15, 2009.
2. Caccia and Boyer 2005. Caccia, V. G., and Boyer, J. N., Spatial Patterning of Water Quality in Biscayne Bay, Florida as a Function of Land Use and Water Management, Marine Pollution Bulletin, v. 50, pp 1416-1429, 2005.

**ASSOCIATED COLA REVISIONS:**

No COLA revisions have been identified as a result of this response.

**ASSOCIATED ENCLOSURES:**

None